

WHAT IS CLAIMED IS:

1. A heat pipe structure, comprising:
a hollow tubular member;
a support member disposed in the hollow tubular member; and
5 a wick structure supported by the support member and attached to an interior wall of the tubular member; wherein
the wick structure is fabricated from a material with a melting points lower than those of materials for fabricating the tubular member and the support member.
- 10 2. The structure of Claim 1, wherein the support member includes an elongate spiral structure extending through the hollow tubular member.
3. The structure of Claim 1, wherein the support member includes an elongate wire spiral structure extending through the hollow tubular member.
4. The structure of Claim 1, wherein the support member includes a
15 winding coil extending within the tubular member.
5. The structure of Claim 1, wherein the support member is perforated with a plurality of holes.
6. The structure of Claim 1, wherein the material for fabricating the support member has the melting point lower than that of the material for
20 fabricating the tubular member.
7. The structure of Claim 1, wherein the wick structure is in the form of a screen mesh.
8. The structure of Claim 1, wherein the wick structure is in the form of a fiber bundle.

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